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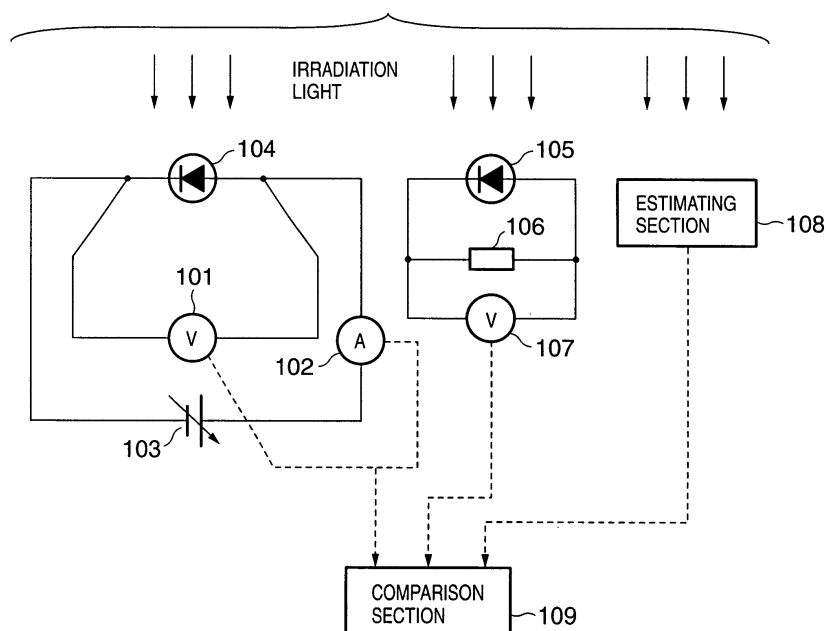
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(54) **Method and apparatus for measuring photoelectric conversion characteristics**

(57) To provide a measuring method capable of measuring even a large-area stacked photoelectric conversion device such as a module or array either indoors or outdoors and accurately measuring the photoelectric conversion characteristics using an inexpensive measuring system, the photoelectric conversion characteristics of a photoelectric conversion device under irradiation

light in a plurality of spectral states and a shift of the short-circuit current of each component cell of the photoelectric conversion device from the standard test condition are estimated, and the measured photoelectric conversion characteristics and the estimated shift are compared, thereby obtaining the photoelectric conversion characteristics of the photoelectric conversion device in the standard test conditions.

FIG. 1





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 6231

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	ADELHELM R ET AL: "Performance and parameter analysis of tandem solar cells using measurements at multiple spectral conditions" SOLAR ENERGY MATERIALS AND SOLAR CELLS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 50, no. 1-4, January 1998 (1998-01), pages 185-195, XP004102509 ISSN: 0927-0248 * the whole document * -----	1-21	H01L31/18 G01R31/26
Y	EMERY K A ET AL: "METHODS FOR MEASURING SOLAR CELL EFFICIENCY INDEPENDENT OF REFERENCE CELL OR LIGHT SOURCE" CONFERENCE RECORD OF THE IEEE PHOTOVOLTAIC SPECIALISTS CONFERENCE, XX, XX, 21 October 1985 (1985-10-21), pages 623-628, XP009055525 * the whole document * -----	1-21	
A	HEIDLER K ET AL COMMISSION OF THE EUROPEAN COMMUNITIES: "MEASUREMENT OF MULTI-JUNCTION SOLAR CELLS" 8 April 1991 (1991-04-08), 10TH. E.C. PHOTOVOLTAIC SOLAR ENERGY CONFERENCE. LISBON, PORTUGAL, APRIL 8 - 12, 1991, PROCEEDINGS OF THE INTERNATIONAL PHOTOVOLTAIC SOLAR ENERGY CONFERENCE, DORDRECHT, KLUWER ACADEMIC PUBLISHERS, NL, PAGE(S) 111-114, XP001135640 ISBN: 0-7923-1389-5 * the whole document * -----	1-21	TECHNICAL FIELDS SEARCHED (IPC) G01R
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 14 November 2005	Examiner Vytláčilová, L
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

4
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